METHOD AND APPARATUS FOR PROCESSING SERVICE REQUESTS IN A SERVICE-ORIENTED ARCHITECTURE

ABSTRACT OF THE DISCLOSURE

In a service-oriented architecture, service requests and responses are processed in such a manner as to minimize the latency problems of existing protocols. Accumulated client service requests are packaged together with workflow information specifying the order of execution of the requests into a single message which is transmitted to the server side of the network connection. On the server side of the network connection, the individual requests are extracted from the message together with the workflow information and routed to the intended service providers, where they are executed in the order specified by the workflow information. Responses to the service requests are similarly packaged into a return message which is transmitted back to the client side, where the responses are extracted from the message and routed to the originating clients. In a preferred embodiment, individual requests and responses are conveyed as attachments to a Simple Object Access Protocol (SOAP) message.